



POWER AMPLIFIER TETRODE

	Heater Coated	Unipotential	Cathode	
	Voltage	30		d-c volts
	Current	0.4		amp.
	Maximum Overall Length			5-3/8"
į	Maximum Diameter			2-1/16"
	Bulb	<u> </u>		ST-16
	Base			Medium 6-Pin
	Pin 1-Heater			Pin 4 - Grid
	Pin 2-Plate	₩		Pin 5 - Cathode
	Pin 3 - Screen	0 0		Pin 6 - Heater
	Mounting Position	BOTTOM VIEW	Vert	ical, Base Down [♦]

SINGLE-TUBE AMPLIFIER - Class A.

Operating Conditions and Characteristics:

_	Tetrode	Connection	Triode	Connection*	*
Heater ^D	30	30	30	30	volts
Plate	96	125 max.	80	125 max.	volts
Screen	96	100 max.	**	**	volts
Grid t	-19	-20*	-20	-32.5	volts
Cathode Resist	or 310	310	650	625	ohms
Amp. Fact.)	Subj	ect to	2.5	2.5	
Plate Res. }		le variation	760	675	ohms
Transcond.	3800	3900	3300	3700	umhos
Plate Cur.	52	56	31	52	ma.
Screen Cur.	9	9.5	_	_	ma.
Load Res.	1500	1500	-		ohms
Power Output O	2	2.5	_	_	watts

 $^{^{\}rm O}$ 9% total harmonic distortion.

PUSH-PULL AMPLIFIER - Class A

Unless otherwise specified, values are for 2 tubes

Operating Conditions:	As Tetrodes	As Triodes**	
Heater ^a	30	30	volts
Plate	125 max.	125 max.	volts
Screen	100 max.	**	volts
Grid	- 20*	-32.5*	volts
Cathode Resistor	155	325	ohms
Zero-Sig. Plate Cur.	100	100	ma.
Load Res. (plate to plate)	3000	1250	ohms
Total Harmonic Distortion	9	2	%
Power Output	5	3	watts

^{*} Bias from auxiliary C-battery.

In circuits where the cathode is not directly connected to the heater the potential difference between heater and cathode should be limited to 90 volts.

to 90 voits.

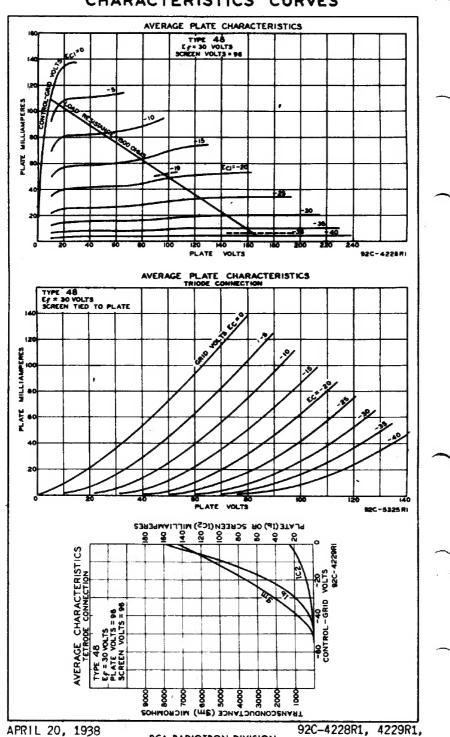
Horizontal operation permitted if pins No.2 and No.5 are in vertical plane.

[←] Indicates a change.





CHARACTERISTICS CURVES



RCA RADIOTRON DIVISION RCA MANUFACTURING COMPANY, INC.

92C-4228R1, 4229R1, 5325R1